REMARKS

The Attorney for the Applicants' wishes to thank the Examiner for the telephone

interview held on March 28, 2007. During the interview, the Examiner indicated that the

application would be allowable by amending the claims to make it clear that the reflowable

underfill adhesive applied on the active surface of the flip chip reflows when the solder balls are

reflowed during mounting onto a substrate.

In response thereto, the applicants have amended the claims to make it clear that the

uniform layer of reflowable material (i) is initially partially cured when applied to the flip chip;

(ii) reflows at the temperature used to reflow the solder balls during the mounting of the flip chip

to a substrate; and (iii) further cures after flowing into the gap between the flip chip and the

substrate. A review of the Kinsman reference makes it clear that none of these claimed features

are taught.

Paragraph [0026] of Kinsman specifically states that the encapsulant material 30 forms a

"hermatic seal" over the integrated circuitry 18 on the active surface 14 of the substrate. Since

the stated purpose of the encapsulant 30 is to form a hermatic seal over the circuitry, Kinsman

actually teaches away from the present invention. If the material 30 of Kinsman were to reflow

like the underfill material of the present invention, there is a strong possibility that the hermatic

seal would be broken, exposing the underlying circuitry 18. Since Kinsman specifically teaches

the formation of a hermetic seal, it is proper to conclude that the seal material is not partially

cured nor does it reflow.

Therefore, the encapsulant material 30 of Kinsman: (i) is NOT partially cured when

initially applied to the substrate; (ii) does NOT reflow at the temperature required to reflow the

solder balls when the flip chip is mounted onto the substrate; and (iii) does not reflow into the

gap between the flip chip and the substrate and then further cure.

The Applicants' believe that all pending claims are allowable and respectfully request a

Notice of Allowance for this application from the Examiner.

Respectfully submitted,

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